



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/813,214C
Source: IFW/6
Date Processed by STIC: 9/29/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/813,214C

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:

(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.

<210> sequence id number
<400> sequence id number
000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.

Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

RAW SEQUENCE LISTING

DATE: 09/29/2004

PATENT APPLICATION: US/09/813,214C

TIME: 11:23:15

Input Set : A:\Matter 089.ST25.txt

Output Set: N:\CRF4\09292004\I813214C.raw

3 <110> APPLICANT: Tucker, Kenneth
 4 Plosila, Laura
 6 <120> TITLE OF INVENTION: Moraxella catarrhalis outer membrane proteins-106 polypeptide,
 7 gene sequence and uses thereof.
 9 <130> FILE REFERENCE: 089-999
 11 <140> CURRENT APPLICATION NUMBER: 09/813214C
 12 <141> CURRENT FILING DATE: 2001-03-20
 14 <150> PRIOR APPLICATION NUMBER: 08/968685
 15 <151> PRIOR FILING DATE: 1997-11-12
 17 <160> NUMBER OF SEQ ID NOS: 20
 19 <170> SOFTWARE: PatentIn version 3.3
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 43
 23 <212> TYPE: PRT
 24 <213> ORGANISM: Moraxella catarrhalis
 26 <400> SEQUENCE: 1
 28 Ile Gly Ile Ser Glu Ala Asp Gly Gly Lys Gly Gly Ala Asn Ala Arg
 29 1 5 10 15
 32 Gly Asp Lys Ser Ile Ala Ile Gly Asp Ile Ala Gln Ala Leu Gly Ser
 33 20 25 30
 36 Gln Ser Ile Ala Ile Gly Asp Asn Lys Ile Val
 37 35 40
 40 <210> SEQ ID NO: 2
 41 <211> LENGTH: 8
 42 <212> TYPE: PRT
 43 <213> ORGANISM: Moraxella catarrhalis
 45 <400> SEQUENCE: 2
 47 Gly Thr Val Leu Gly Gly Lys Lys
 48 1 5
 51 <210> SEQ ID NO: 3
 52 <211> LENGTH: 24
 53 <212> TYPE: DNA
 54 <213> ORGANISM: Artificial
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: primer_bind
 60 <220> FEATURE:
 61 <221> NAME/KEY: misc_feature
 62 <222> LOCATION: (1)..(24)
 63 <223> OTHER INFORMATION: n is a, c, g, or t
 65 <400> SEQUENCE: 3
 W--> 66 ggnacngtnc tnggnggnaa raar
 69 <210> SEQ ID NO: 4
 70 <211> LENGTH: 72

pp1-2,6
 Does Not Comply
 Corrected Diskette Needed

This is a <2217 (NAME/KEY?) response,
 per Sequence Rules, but is not
 a valid explanation
 of "Artificial".
 24 Sequence
 (see item 11 on
 Error Summary Sheet)

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Output Set: N:\CRF4\09292004\I813214C.raw

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71 <212> TYPE: DNA
72 <213> ORGANISM: Moraxella catarrhalis
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77 gacattgcgc aa 72
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 24
82 <212> TYPE: PRT
83 <213> ORGANISM: Moraxella catarrhalis
85 <400> SEQUENCE: 5
87 Glu Ala Asp Gly Gly Lys Gly Gly Ala Asn Ala Arg Gly Asp Lys Ser
88 1 5 10 15
91 Ile Ala Ile Gly Asp Ile Ala Gln
92 20
95 <210> SEQ ID NO: 6
96 <211> LENGTH: 24
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial
100 <220> FEATURE:
101 <223> OTHER INFORMATION: primer_bind
104 <220> FEATURE:
105 <221> NAME/KEY: misc_feature
106 <222> LOCATION: (1)..(24)
107 <223> OTHER INFORMATION: n is a, c, g or t
109 <400> SEQUENCE: 6
W--> 110 ytttyttncn ccnagnacng tncc 24
113 <210> SEQ ID NO: 7
114 <211> LENGTH: 24
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial
118 <220> FEATURE:
119 <223> OTHER INFORMATION: primer_bind
122 <220> FEATURE:
123 <221> NAME/KEY: misc_feature
124 <222> LOCATION: (1)..(24)
125 <223> OTHER INFORMATION: n is a, c, g or t
127 <400> SEQUENCE: 7
W--> 128 ggnacngtnt trggnggnaa raar 24
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 9542
133 <212> TYPE: DNA
134 <213> ORGANISM: Moraxella catarrhalis
136 <400> SEQUENCE: 8
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139 tcacatcgca atattgtttt actgttacta ccatgcttga atgacgatcc aaatcaccag 120
141 attcattcaa gtgatgtgtt tgtatacgca ccatttacc taattatttc aatcaaagtc 180
143 ctatgtcagc atgtatcatt ttttaaggta aaccaccatg aatcacatct ataaagtcac 240
145 ctttaacaaa gccacaggca catttatggc cgtggcgga tatgccaaat cccacagcac 300
147 gggggggggg agctgtgcta cagggaagt tggcagtgtg cgcactctga gctttgcccg 360

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invalid exploration

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149	tattgcccgcg	ctcgcgtgtcc	tcgtgatcgg	tgcgacgctc	aatggcagtg	cttatgcagg	420
151	tatcggaatt	agtgaagcag	acgggggaaa	aggcggagcc	aatgcgcgcg	gtgataaatc	480
153	cattgctatt	ggtgatattg	ctcaggcact	tggtctctca	tctattgcta	tcggtgacaa	540
155	caaaatagtt	cataattcaa	ataataatgc	taatataggt	gccaaagcct	caggtaatga	600
157	gtccatcgcc	atcggtgggtg	atgtattggc	ttctgggtcat	gcctcgattg	ccatcggtag	660
159	tgatgactta	tatttgaaaa	aggaaacggt	acagcaaatc	tcagagcttc	tacctattat	720
161	tcgcggacag	aaagcattaa	acgatataata	ccaactagct	gacactaatc	ttcaaaaaata	780
163	tagacgcaca	cacgcacagg	gacacgccag	tactgcagtg	ggagccatgt	catatgcaaa	840
165	gggtcatttt	tccaacgcct	ttggtacacg	ggcaacagct	gaaggtacct	attccttggc	900
167	agtgggtctt	accgccacag	ccaaagcagc	atcttcaatc	gctgttggtt	ctaatagcaca	960
169	agctatcggt	tttgacgcga	cagccgttgg	tggaagtact	caagttaatt	tgaatcgagg	1020
171	tattgcccta	ggtttttggtt	ctcaggtcct	tcagaaggat	aatgatgtaa	atgcagcaaa	1080
173	tgtacggggc	tatgcaccag	atgataacca	gccaatagac	aaccgggtata	aagccacctt	1140
175	caagaatggt	gctacgggatg	tattttccat	tggtaatagt	aatgggaatg	acagtatcag	1200
177	gcgtaaaaatc	atcaatgtcg	gtgcagggttc	tcgggatacc	gatgcgggtca	atgtggcaca	1260
179	gcttaaagag	gcgggtgaggc	tggctaateg	tcaaattact	tttaagggtg	atgatagcaa	1320
181	taatagagta	gaaaaagggtt	tgggcaagac	tttaactatc	acaggtgggtg	cacagaccag	1380
183	cgcattaacc	gatcataaca	tcggtgtggt	acaaaatggc	gatgggtctga	aagttcaact	1440
185	tgctgaaact	ttaaccagcc	ttaaaatggt	taccactgaa	aacctaaccg	ccaacgagaa	1500
187	agttaccgta	ggcaaaaacc	gccttaccac	agataaaaatt	ggttttacca	atgatatgaa	1560
189	tggcattgat	gaaagcaaac	cttatcttga	taaagacact	ggcattcatg	cagggtggtca	1620
191	aaagattacc	aaacttactg	ctggtgtagt	agatgacgat	gcggcaactt	atggacagct	1680
193	taaaaaaagtt	aaccaaaccg	ctgaaagtgc	tctacaaacc	tttaccgtta	aaaaggtaga	1740
195	taaaaatggt	aatgatgcta	atgacagcaa	aatcatcacc	gtgggtaaaa	ataacaaacc	1800
197	agacggtact	caagtcaaca	ccctaaaact	caaagggtgaa	aacggtgttg	atgttacaac	1860
199	cgaacaaat	ggtacagtta	cctttgggct	taaccaaact	aacggtctga	ccgttggcaa	1920
201	cagcacccta	aacaacgatg	gcttatctgt	taaaaacacc	aatagtaaca	aacaaatcca	1980
203	agtcggtgct	gatggcatta	catttactga	tatcagcaat	agtaagccag	gtgctggcat	2040
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207	ggatgcaaac	aaaccccgcc	taaccccaac	tggcattaac	gcaggtggta	aagagctgac	2160
209	caatgtccaa	tctgccatta	accctgctac	caatggtggg	cagctagact	ttatgaaccg	2220
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213	cctatcacaa	gtaccgctga	cctttgcagg	tgatacaggt	cctaattgtca	ccaaaaaact	2340
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229	agtgggtgaa	gttgagatta	ccaccaacgg	cattaatgca	ggtggtaaaag	ccatcacagg	2820
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237	ttttatcaat	ggcaatgcca	ccaccgctaa	agtcacttat	gatggcaaag	ccagtaaagt	3060
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241	aaaccaaat	ggcgtaaaaa	ccaccacact	gaccaaaaca	gatgctaaaag	gtgataaagc	3180
243	aattaacttt	agtgttaact	ctggtgatga	caaagccctt	attaacgcca	aagacatcgc	3240
245	cgacaatcta	aacaccctag	ctggtgaaat	tcgcaacacc	aaaggcacag	cagacaccgc	3300

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247	cctacaaacc	tttcaagtca	aaaaagtcaa	agaaaatggt	gatgatgata	atgacgctga	3360
249	caccatcacc	gtgggtaaaag	atgcaaaaac	caatcaagtc	aacaccctaa	aactcaaagg	3420
251	taaaaacggg	cttgatattc	aaaccaataa	agatggtacg	gttacctttg	gcattaacac	3480
253	ccaaagcggg	cttaaagccg	gcaacaacac	cactctaaac	aacaatggct	tgtctattaa	3540
255	aaacaccgct	ggtaacgaac	aaatccaagt	cgggtgctgat	ggcgtgaagt	ttgccaaggt	3600
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263	caatgatgct	gtgacaggcg	gcaagattta	tgatttaaaa	accgaacttg	aaaacaaaat	3840
265	cagcagtact	gccaaaacag	cacaaaactc	attacacgaa	ttctcagtag	cagatgaaca	3900
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269	tgtcatcacc	tttgcagggt	aaaacggcat	taccaccaag	gtaaataaag	gtgtgggtgcg	4020
271	tgtgggcatt	gaccaaacca	aagggttaac	cacgcctaag	ctgaccgtgg	gtaataataa	4080
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275	cactctagct	aatgtttacca	atgataaagg	tagcgtacgc	accacagaac	agggcaagat	4200
277	aatcaaagac	gaagacaaaa	cccgtgccgc	cagcattggt	gatgtgctaa	gcgcaggctt	4260
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281	tgcgagtggc	aatgccacca	ccgctaagggt	gacctatgat	gacacaagca	aaaccagtaa	4380
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309	ctcaagcggg	caagccaaag	caaacacccc	tgtgctaagt	gccaatgggc	tggacctggg	5220
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341	aggtacaacc	accacagcag	gtgcaaccgg	tacggttaaa	ggctttgctg	gacaaacggc	6180
343	ggttggtgctg	gtctccgtgg	gtgctctcagg	tgctgaacgc	cgtatccaaa	atgtggcagc	6240

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345	aggtgaggtc	agtgcaccca	gcaccgatgc	ggtcaatggt	agccagttgt	acaaagccac	6300
347	ccaaggcatt	gccaacgcaa	ccaatgagct	tgaccatcgt	atccaccaa	acgaaaataa	6360
349	agccaatgca	gggatttcat	cagcgatggc	gatggcgctc	atgccacaag	cctacattcc	6420
351	tggcagatcc	atggttaccg	ggggatttgc	caccacaaac	ggtcaagggtg	cgggtggcagt	6480
353	gggactgtcg	aagctgtcgg	ataatgggtca	atgggtattt	aaaatcaatg	gttcagccga	6540
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363	tagttgttag	atatggttaa	aattgtgcc	ttgacaaaa	aattaccgat	ttatcccga	6840
365	aattttctgat	tatgatcact	tttcataaat	ttccccaatt	tgtctttata	aatatcccaa	6900
367	gaaatggtat	tattttattg	ccatcagcat	atgcgacaac	tcacgtatc	atctttttat	6960
369	cataaaaaatg	caaataaggca	tatgcatttt	ttgaattgaa	cttacgcact	gagagatccc	7020
371	ctcataattt	ccccaaagcg	taaccatgtg	tgaataaatt	ttgagctagt	agggttgcag	7080
373	ccacgagtaa	gtcttccctt	gttattgtgt	agccagaatg	ccgcaaaact	tccatgccta	7140
375	agcgaactgt	tgagagtacg	tttcgatctt	tgactgtgtt	agcctggaag	tgcttgtccc	7200
377	aaccttggtt	ctgagcatga	acgcccgcaa	gccacatgt	tagttgaagc	atcagggcga	7260
379	ttagcagcat	gatatacaaa	cgctctgagc	tgctcgctcg	gctatggcgt	aggcctagtc	7320
381	cgtaggcagg	acttttcaag	tctcggaagg	tttcttcaat	ctgcattcgc	ttcgaataga	7380
383	tattacaacg	ttggtttggg	gttcgaattt	caacaggtaa	gttagttgct	agaatccatg	7440
385	gctcctttgc	cgacgctgag	tagattttag	gtgacgggtg	gtgacaatga	gtccgtgtcg	7500
387	agcctgtgatt	ttttcggcct	ttagagcgag	atttatacaa	tagaatttgg	catgagattg	7560
389	gattgctttt	agtcagcctc	ttatagccta	aagtctttga	gtgactagat	gacatatcat	7620
391	gtaagttgct	gatagggttt	cagttttccg	ctcctaggtc	tgcatattgt	acttttcttc	7680
393	ttactcgact	taaccagtac	caaccagct	tctcaacgga	tttataccat	ggcactttta	7740
395	agccagcatc	actgacaatg	agcgggtgtg	tggtactcgg	tagaatgctc	gcaaggctcg	7800
397	ctagaaattg	gtcatgagct	ttctttgaac	attgctctga	aagcgggaac	gctttctcat	7860
399	aaagagtaac	agaacgaccg	tgtagtgcga	ctgaagctcg	caataccata	agccgttttt	7920
401	gctcacggat	atcagaccag	tcaacaagta	caatgggcat	cgtattgccc	gaacagataa	7980
403	agctagcatg	ccaacgggat	acagcgagtc	gctctttgtg	gaggtgacga	ttacctaa	8040
405	atcgggtcgat	tcggttgatg	ttatgttttg	ttctcgcttt	ggttggcagg	ttacggccaa	8100
407	gttcggtaag	agtgagagtt	ttacagtcaa	gtaaggcggtg	gcaagccaac	gttaagctgt	8160
409	tgagtcgttt	taagtgtaat	tcggggcaga	attggtaaag	agagtcgtgt	aaaatatcga	8220
411	gttcgcacat	tttgttgtct	gattattgat	ttttggcgaa	accatttgat	catatgacaa	8280
413	gatgtgtatc	taccttaact	taatgatttt	gataaaaatc	attaggggat	tcatcagact	8340
415	tacgcattctt	tcattatggg	aattagggtca	gtaattatga	caaaaaatta	tgcattatta	8400
417	tccgtctcag	ataaaacgca	aatcggtgaa	tttgcccaag	gtttggtaga	atctggcttt	8460
419	ggtattttat	ccacaggtgg	tacttttaaa	ctcttaaaag	aacatgggat	tgacgccatt	8520
421	gaggtttctg	cccatacagg	ttttgctgaa	atgatggatg	gtcgtgttaa	gacctacat	8580
423	cccaaaattc	atgggtggtat	tttgggccgt	cgtggcattg	atgatgccat	tatgaatgaa	8640
425	catggcattg	atcgcatgga	tatcggtgtc	gtgaatttat	atccatttgc	caacacggtc	8700
427	gccaaagacg	gtgttggtat	gtctgatgcg	attgaaaata	ttgatattgg	tgggcctgct	8760
429	atggtacgct	cagccgccaa	aaatcatgcc	catgttggtg	ttatcaccag	cccaaatgac	8820
431	tactcacgca	tcctagatga	actaaaaaac	caaggctcatt	taagccacaa	cactcggttt	8880
433	gatttggcag	tcaaagcatt	tgaacacact	gccgcctatg	atggtatgat	tgccagctgg	8940
435	ctaggtgcac	gcttaccagt	ggataaagag	acggcaccga	gtgatgatgc	cactgcaacc	9000
437	actcaatttt	cacgcacttt	taatcaccaa	ttcaccaaag	cacaagagct	tagatatggc	9060
439	gaaaacccac	atcagtcagc	agccttttat	gtagatgatc	atgcaacaga	agcgtctggt	9120
441	gcgactgcac	agcaattaca	aggtaaagcg	ttgtcttata	ataatattgc	tgataccgat	9180

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/813,214C

DATE: 09/29/2004
TIME: 11:23:16

Input Set : A:\Matter 089.ST25.txt
Output Set: N:\CRF4\09292004\I813214C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 3,6,9,12,15,18
Seq#:6; N Pos. 7,10,13,16,19,22
Seq#:7; N Pos. 3,6,9,15,18
Seq#:13; N Pos. 6,12,15
Seq#:14; N Pos. 4,13

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,6,7,13,14

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/813,214C

DATE: 09/29/2004

TIME: 11:23:16

Input Set : A:\Matter 089.ST25.txt

Output Set: N:\CRF4\09292004\I813214C.raw

L:66 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:1077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:1095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0